

$$\begin{aligned}
f_1 &= nl_2(y_{10}) + nl_4(y_{16}) + nl_6(y_{12}) \\
f_2 &= nl_6(y_1) + nl_5(y_6) + nl_5(y_6) \\
f_3 &= nl_2(y_{11}) \\
f_4 &= nl_4(y_1) + nl_6(y_7) \\
f_5 &= nl_2(y_{15}) + nl_1(y_{11}) + nl_6(y_2) \\
f_6 &= nl_5(y_5) + nl_1(y_1) \\
f_7 &= nl_4(y_{17}) + nl_6(y_{15}) \\
f_8 &= nl_6(y_5) + nl_5(y_{17}) + nl_3(y_{11}) \\
f_9 &= nl_1(y_4) \\
f_{10} &= nl_3(y_4) + nl_2(y_{14}) + nl_5(y_3) \\
f_{11} &= nl_4(y_{16}) + nl_4(y_{10}) \\
f_{12} &= nl_6(y_4) \\
f_{13} &= nl_4(y_{18}) \\
f_{14} &= nl_4(y_{18}) + nl_4(y_{17}) \\
f_{15} &= nl_6(y_4) \\
f_{16} &= nl_4(y_2) + nl_5(y_7) + nl_1(y_2) \\
f_{17} &= nl_6(y_{20}) + nl_6(y_4) + nl_2(y_2) \\
f_{18} &= nl_5(y_{14}) + nl_1(y_5) \\
f_{19} &= nl_2(y_{11}) + nl_3(y_{14}) \\
f_{20} &= nl_5(y_1) + nl_5(y_3) + nl_6(y_{10})
\end{aligned}$$